



26th Annual Short Course on Experimental Models of Human Cancer

August 12 – 19, 2017
Bar Harbor, ME

Event Schedule

For more information, please contact Erin McDevitt: erin.mcdevitt@jax.org

Saturday, August 12, 2017

Event Location – The Jackson Laboratory, 600 Main Street

- 4:00pm – 4:45pm Course Registration
- 4:45 pm – 5:00pm Welcome & Introduction, Karolina Palucka, M.D., Ph.D.
- 5:00pm – 6:00pm Mario Sznol, M.D. - Keynote Lecture
“Clinical Challenges for Immunotherapy of Cancer”
- 6:00pm – 7:00pm Social Hour – *Roscoe’s Dining Room*
- 7:00pm Dinner – *Roscoe’s Dining Room*

Sunday, August 13, 2017

THEME: COMPUTATIONAL MODELS & SYSTEMS BIOLOGY

Event Location – The Jackson Laboratory, 600 Main Street

- 8:30am – 9:30am Roel Verhaak, Ph.D. – Lecture
“Cancer Genomics”
- 9:30am – 10:30am Ed Liu, M.D. – Lecture
“Cancer Functional Genomics”
- 10:30am – 11:00am Break
- 11:00am – 12:00pm Carlo Croce, M.D. – Lecture
“MicroRNAs in Cancer Cell Biology and Treatment Response”

- 12:00pm – 1:00pm Lunch – *Roscoe's Dining Room*
- 1:00pm – 3:00pm Carol Bult, Ph.D. – Workshop
"Computational Biology"
- 3:00pm- 3.30pm Break
- 3:30pm – 4:30pm Elaine Mardis, Ph.D. – Speaker
"Mouse ImmunoGenomics"
- 4:30pm – 5:30pm Paul Spellman, Ph.D. – Lecture
"Monitoring tumor response and evolution using cell free DNA"

Event Location – The Bar Harbor Club – 111 West Street

- 6:00pm Happy Hour
- 7:00pm Dinner
- 8:00pm Charles Lee – Evening Lecture
"Structural genomic variation and its role in disease"

Monday, August 14, 2017

THEME: MOUSE MODELS

Event Location – The Jackson Laboratory, 600 Main Street

Free morning

- 9:30am – 10:30am Carol Bult, Ph.D. – Lecture
"Patient Derived Xenografts (PDX): a platform for preclinical cancer research"
- 10:30am – 11:00 am Break
- 11:00am – 12:00pm Thomas Look, M.D. - Lecture
"Zebrafish model of human cancer"
- 12:00pm – 1:00pm Lunch – *Roscoe's Dining Room*
- 1:00pm – 2:00pm Pier Paolo Pandolfi, M.D., Ph.D. – Lecture
"Mouse Models of Human Cancer"
- 2:00pm – 4:00pm Bonnie Lyons, DVM – Workshop
"Xenotransplantation Techniques in the Mouse"
Sign Up Required
- Jeff Chuang, Ph.D. - Workshop
"Computational approaches to PDX data"
Sign Up Required

4:00pm – 4:30 pm Break

4:30pm – 6:00pm Ronald Germain, M.D., Ph.D. - Keynote Lecture
“Imaging Immunity: Developing a Spatiotemporal Understanding of Host Defense and the Response to Tumors”

Tuesday, August 15, 2017

THEME: MOUSE MODELS

Event Location – Highseas Conference Center

9:00am – 1:00pm Nature workshop with editors

1:00pm – 2:00pm Lunch – *Highseas Conference Center*

Event Location – The Jackson Laboratory, 600 Main Street

2:00pm – 3:00pm Ching Lau, M.D., Ph.D. – Lecture
“PDX Models of Pediatric Tumors”

3:00pm-4:00pm Lenny Shultz, Ph.D. – Lecture
“Immunodeficient Mice and Their Use to Model Human Cancer and Immune System Interactions”

4.30pm Break

5:00-6:00pm Mikala Egeblad, Ph.D. - Lecture
“Overview of the role of the Tumor Microenvironment and Intravital Imaging of the Effects of the Tumor Microenvironment”

Event Location – The Bar Harbor Club, 111 West Street

6:00pm – 9:00pm Happy Hour & Buffet Dinner
Poster Session with JAX Cancer Center

Wednesday, August 16, 2017

THEME: MODELS OF THE TUMOR MICROENVIRONMENT

Event Location – The Jackson Laboratory, 600 Main Street

8:30am – 9:30am Olga Anczukow, Ph.D. – Lecture
“RNA Splicing and In Vitro Cancer Models”

9:30am – 10:30am David Tuveson, M.D., Ph.D. – Lecture
“Organoids”

10:30am – 11:00am Break

11:00am – 12:00pm Nicholas Navin, Ph.D. – Lecture
“Single Cell Genomics”

- 12:00pm – 1:00pm Lunch – *Roscoe’s Dining Room*
- 1:00pm – 3:00pm Philipp Henrich, Ph.D. –Workshop
“Modern Microscopy and Tissue Analysis”
- Paul Robson, Ph.D. & Nicholas Navin, Ph.D. – Workshop
“Single Cell Genomics”
- 3:00pm – 5:00pm Philipp Henrich, Ph.D. –Workshop
“Modern Microscopy and Tissue Analysis”
- Paul Robson, Ph.D. & Nicholas Navin, Ph.D. – Workshop
“Single Cell Genomics”
- 5:00pm – 6:00pm Lisa Coussens, Ph.D. – Lecture
“In Vivo Models of Tumor Microenvironment”

Event Location – The Bar Harbor Club, 111 West Street

- 6:00pm – 7:00pm Happy hour
- 7:00pm Lobster Dinner with Cancer Center Faculty
- 8:00pm – 9:00pm James Allison, Ph.D. – Evening Keynote Lecture
“Immune Checkpoint Blockade in Cancer Therapy: Insights, Opportunities, and Prospects for Cures”

Thursday, August 17, 2017

THEME: MODELS INFLAMMATION

Event Location – The Jackson Laboratory, 600 Main Street

- 8:30am – 9:30am Nadia Rosenthal, Ph.D., F.Med.Sci – Lecture
“Biology of Tissue Regeneration”
- 9:30am – 10:30am Julia Oh, Ph.D. – Lecture
“Microbiome and inflammation” (tentative title)
- 10:30am – 11:00am Break
- 11:00am – 12:00pm Melody Swartz , Ph.D. – Lecture
“Lymphatic Vessels in Regulation of Immune Responses”
- 12:00pm – 1:00pm Lunch – *Roscoe’s Dining Room*
- 1:00pm – 2:00pm Christine Moussion, Ph.D. – Lecture
“Leukocyte migration from steady-state to tumor”
- 2:00pm – 3:00pm Virginia Pascual, M.D. – Lecture
“DNA and RNA Sensing as Drivers of Inflammation”

- 3:00pm – 3:30pm Break
- 3:30pm – 4:30pm Derya Unutmaz, MD – Lecture
“Human T cell subsets”
- 4:30pm – 5:30pm Padmanee Sharma, M.D., Ph.D. – Lecture
“From the clinic to the lab: Investigating response and resistance mechanisms to immune checkpoint therapy”

Event Location – The Bar Harbor Club, 111 West Street

- 6:30pm – 8:00pm Dinner with *Patient Advocates* Dinner Hosted by Joanne Goodnight

Friday, August 18, 2017

THEME: IMMUNE RESPONSE

Event Location – The Jackson Laboratory, 600 Main Street

- 8:30am – 9:30am Jacques Banchereau, Ph.D. – Lecture
“Immunogenomics”
- 9:30am – 10:30am Madhav Dhodapkar, MD – Lecture
“Origins and evolution of myeloma- Insights from host response and new models”
- 10:30am – 11:00am Break
- 11:00am – 12:00pm Irving Weissman, MD – Keynote Lecture
“Stem Cells”
- 12:00pm – 1:00pm Lunch with Cancer Center Postdocs – *Roscoe’s Dining Room*
- 1:00pm – 4:00pm James Miller – Workshop
“Necropsy” (plus one from group)
- Derya Unutmaz, Ph.D. & Will Schott
“Flow cytometry workshop”
- 4:00pm – 5:00pm Frank Slack, Ph.D. –Lecture
“RNA Biology in Cancer”
- 5:00pm – 6:00pm Kavita Dhodapkar, MD
“Immunotherapy of pediatric cancer”

Event Location – The Bar Harbor Club, 111 West Street

- 7:00 pm Dinner with *Maine Oncologists/Genomics Initiative* Hosted by: Jens Rueter, M.D.

Saturday, August 19, 2017

THEME: MODELS STEM CELLS

Event Location – The Jackson Laboratory, 600 Main Street

- 8:30am – 9:30am Rakesh Jain, Ph.D. –Lecture
“Reengineering the Tumor Microenvironment to Improve Cancer Treatment: Bench to Bedside”
- 9:30am – 10:30am Kevin Mills – Lecture
“DNA Repair and Synthetic Lethal Therapies”
- 10:30am – 11:00am Break
- 11:00am – 12:00pm Jennifer Trowbridge, Ph.D. – Lecture
“Genomics and Epigenetics of Hematopoietic Stem Cells”
- 12:00pm – 1:00pm Lunch Career Meeting – *Roscoe’s Dining Room*
- 1:00pm -2:00pm Sheng Li, Ph.D. – Lecture
“Epigenome dynamics of blood cancers”
- 2pm Adjourn